

AMENDMENTS TO THE CLAIMS

Please amend Claims 1-26 as follows. All pending claims have been reproduced below.

1. (Currently Amended) A data processing system ~~comprising;~~
comprising:

 a data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

 a coordinate system setting means to set a virtual reference point and virtual coordinate axes in ~~said the~~ virtual space,

 a detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space,

 a position specifying means to specify virtual positions in ~~said the~~ virtual space in accordance with ~~said the~~ position data detected by said detecting means,

 an area selecting means to select a desired area in ~~said the~~ virtual space in accordance with ~~said the~~ virtual positions specified by said position specifying means, and

 a storing means to store an image of ~~said the~~ desired area selected by said selecting means.

2. (Currently Amended) The data processing system according to claim 1, wherein said detecting means ~~has~~ comprises a gyro-sensor.

3. (Currently Amended) The data processing system according to claim 1, wherein said detecting means ~~has~~ comprises an optical gyro-sensor and a plurality of velocity sensors.

4. (Currently Amended) The data processing system according to claim 1, wherein said detecting means ~~has~~; comprises:

a laser light source,
a plurality of galvano-mirrors to distribute the laser light,
a plurality of prisms to reflect the distributed laser light,
a photo-detector to receive the ~~reflected~~ light reflected by the said plurality of prisms, and
angle detectors to detect the respective moved angles of the said plurality of galvano-mirrors.

5. (Currently Amended) The data processing system according to ~~claim 1~~ claim 1, wherein said 3-dimensional data further includes data on color, dimension, and texture.

6. (Currently Amended) A printer ~~comprising~~; comprising:

a data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,
a coordinate system setting means to set a virtual reference point and virtual coordinate axes in said the virtual space,
a detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space, and
a printing means to print a desired area in said the virtual space specified by said the position data detected by said detecting means specified by said the virtual reference point and coordinate axes.

7. (Currently Amended) The printer according to claim 6, wherein said

detecting means has comprises a gyro-sensor.

8. (Currently Amended) The printer according to claim 6, wherein said detecting means has comprises an optical gyro-sensor and a plurality of velocity sensors.

9. (Currently Amended) The printer according to claim 6, wherein said detecting means has; comprises:

a laser light source,
a plurality of galvano-mirrors to distribute the laser light,
a plurality of prisms to reflect the distributed laser light,
a photo-detector to receive the reflected light reflected by the said plurality of prisms, and

angle detectors to detect the respective moved angles of the said plurality of galvano-mirrors.

10. (Currently Amended) The printer according to claim 6, wherein said 3-dimensional data further includes data on color, dimension, and texture.

11. (Currently Amended) An image recording system comprising;
comprising:

a data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,
a coordinate system setting means to set a virtual reference point and virtual coordinate axes in said the virtual space,

a detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space,

a position specifying means to specify virtual positions in said the virtual space in accordance with said the position data detected by said detecting means,

an area selecting means to select a desired area in said the virtual space in accordance with said the virtual positions specified by said position specifying means, and

a printing means to print said the selected desired area in said the virtual space.

12. (Currently Amended) The image recording system according to claim 11, wherein a gyro-censor gyro-sensor is used in said detecting means.

13. (Currently Amended) The image recording system according to claim 11, wherein an optical gyro-sensor and a plurality of velocity sensors are used in said detecting means.

14. (Currently Amended) The image recording system according to claim 11 wherein, 11, wherein said detecting means comprises:

a laser light source,

a plurality of galvano-mirrors to distribute the laser light,

a plurality of prisms to reflect the distributed laser light,

a photo-detector to receive the reflected light reflected by the said plurality of prisms, and

angle detectors to detect the respective moved angles of the said plurality of galvano-mirrors are used in said detecting means.

15. (Currently Amended) The image recording system according to ~~claim 11~~ claim 11, wherein said the 3-dimensional data further includes data on color, dimension, and texture.

16. (Currently Amended) An image recording method comprising steps of,
of:

accumulating virtual space data as a set of 3-dimensional data specifying shape,

setting a coordinate system by setting a virtual reference point and virtual coordinate axes in said the virtual space,

detecting a relative position and a gradient of the coordinate system against a reference position in a real space,

specifying virtual positions in said the virtual space in accordance with said the position data detected by in said detecting step,

selecting a desired area in said the virtual space in accordance with said the virtual positions specified by in said position specifying step, and

printing said the selected desired area in said the virtual space.

17. (Currently Amended) The image recording method according to claim 16, wherein a gyro-sensor is used at in said detecting step.

18. (Currently Amended) The image recording method according to claim 16, wherein said detecting step is performed using an optical gyro-sensor and a plurality of velocity sensors are used at said detecting step.

19. (Currently Amended) The image recording method according to claim
~~16~~ wherein; 16, wherein said detecting step is performed using:

a laser light source,
a plurality of galvano-mirrors to distribute the laser light,
a plurality of prisms to reflect the distributed laser light,
a photo-detector to receive the ~~reflected~~ light reflected by the plurality of
prisms, and
angle detectors to detect the respective moved angles of the plurality of
galvano-mirrors ~~are used at said detecting step.~~

20. (Currently Amended) The image recording method according to
~~claim16~~ claim 16, wherein said the 3-dimensional data further includes data on color, dimension,
and texture.

21. (Currently Amended) A data processing system comprising;
comprising:
a data accumulating means to accumulate virtual space data as a set of 3-
dimensional data specifying shape,
a coordinate system setting means to set a virtual reference point and virtual
coordinate axes in ~~said~~ the virtual space,
a virtual position detecting means to detect a relative position and a gradient of
the coordinate system setting means against ~~said~~ the virtual reference point,
a moving means to move in ~~said~~ the virtual space,

~~an area selecting means to select a desired area in said the virtual space in accordance with changed values caused by said the moving action of said moving means detected by said virtual position detecting means, and~~

~~a storing means to store an image of said the desired area selected by said area selecting means.. means.~~

22. (Currently Amended) The data processing system according to claim 21, wherein said moving means ~~has; comprises:~~

a plurality of rollers,

a counting member to count a rotated amount of said plurality of rollers,

a controlling member to control a rotating velocity of said plurality of rollers,

a plurality of supporting members formed monolithically with said plurality of rollers to support a heavy load,

a measuring member to measure said the load to the said plurality of supporting members, and

a space adjuster to adjust a space between said plurality of rollers and said plurality of supporting members in accordance with said the measured load value measured by said measuring member.

23. (Currently Amended) The data processing system according to claim 21, wherein said ~~virtual space~~ moving means ~~has comprises~~ a second measuring member to measure ~~said the~~ space between said plurality of rollers and said plurality of supporting members.

24. (Currently Amended) The data processing system according to claim 21, wherein said moving means ~~also functions as a detecting means to detect~~ detects a position in ~~said the~~ virtual space.

25. (Currently Amended) The data processing system according to claim 21, wherein said data processing system ~~has~~ comprises a plurality of moving means in ~~said the~~ virtual space.

26. (Currently Amended) The data processing system according to ~~claim 21~~ claim 21, wherein ~~said the~~ 3-dimensional data further includes data on color, dimension, and texture.